model 7100-2

26 inch 7 h.p.

snow thrower

operating manual *and* parts list

FILE COPY

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CLEVELAND, OHIO 44136

YARD-MAN

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RULES FOR SAFE OPERATION

Your SNOW THROWER is a precision piece of snow throwing equipment. Engineering skill and experience have been combined to provide the ultimate in safety and efficiency. As with any type of power equipment, carelessness or error on the part of the operator can result in injury. EXERCISE EXTREME CAUTION AT ALL TIMES.

1. READ THE OWNER'S MANUAL CAREFULLY. Know the controls to operate your SNOW THROWER properly and how to quickly stop the unit.

2. BEFORE STARTING ENGINE, disengage all clutches and shift unit into neutral. Keep hands, feet and clothing away from power driven parts.

3. DISENGAGE POWER AND STOP MOTOR before cleaning discharge, removing obstacles, making adjustments, or when leaving operating position.

4. NEVER DIRECT DISCHARGE AT BYSTANDERS nor allow anyone in front of machine -- debris may be hidden in the snow.

5. KEEP CHILDREN AND PETS a safe distance away.

6. DO NOT ALLOW CHILDREN TO OPERATE MACHINE nor allow adults to operate machine without proper instruction.

7. ADJUST SCOOP HEIGHT to clear gravel or crushed rock surface.

8. EXERCISE CAUTION to avoid slipping or falling, especially when operating in reverse.

9. HANDLE GASOLINE WITH CARE -- it is highly flammable.

    a. Use approved gasoline container.

    b. Never add gasoline to a running motor. Fill tank outdoors and wipe up spilled gasoline.

    c. Replace gasoline cap securely.

    d. Open doors if motor is running indoors -- exhaust fumes are dangerous.

10. USE A GROUNDED THREE-WIRE PLUG-IN for all units equipped with electric starting kits.

11. KEEP UNIT IN GOOD OPERATING CONDITION and keep safety devices in place.

SUGGESTIONS FOR MORE EFFICIENT, and MAINTENANCE-FREE OPERATION

GENERAL SNOW THROWING

Always keep area to be cleaned cleared before snowfall.

2. Always start engine with machine on level surface with master clutch disengaged. After starting, let engine warm up several minutes at slow speed before starting to remove snow. If machine is stored indoors, let engine and machine adjust to outdoor temperatures before starting to throw snow.
3. When throwing snow, run machine at full throttle for best results.
4. When in deep heavy snow, shift to slowest speed, and start at the edge of area to be cleared, discharging snow to the outside.
5. Always run engine a few minutes before storing, to dry moisture that collects inside of engine from blowing snow.

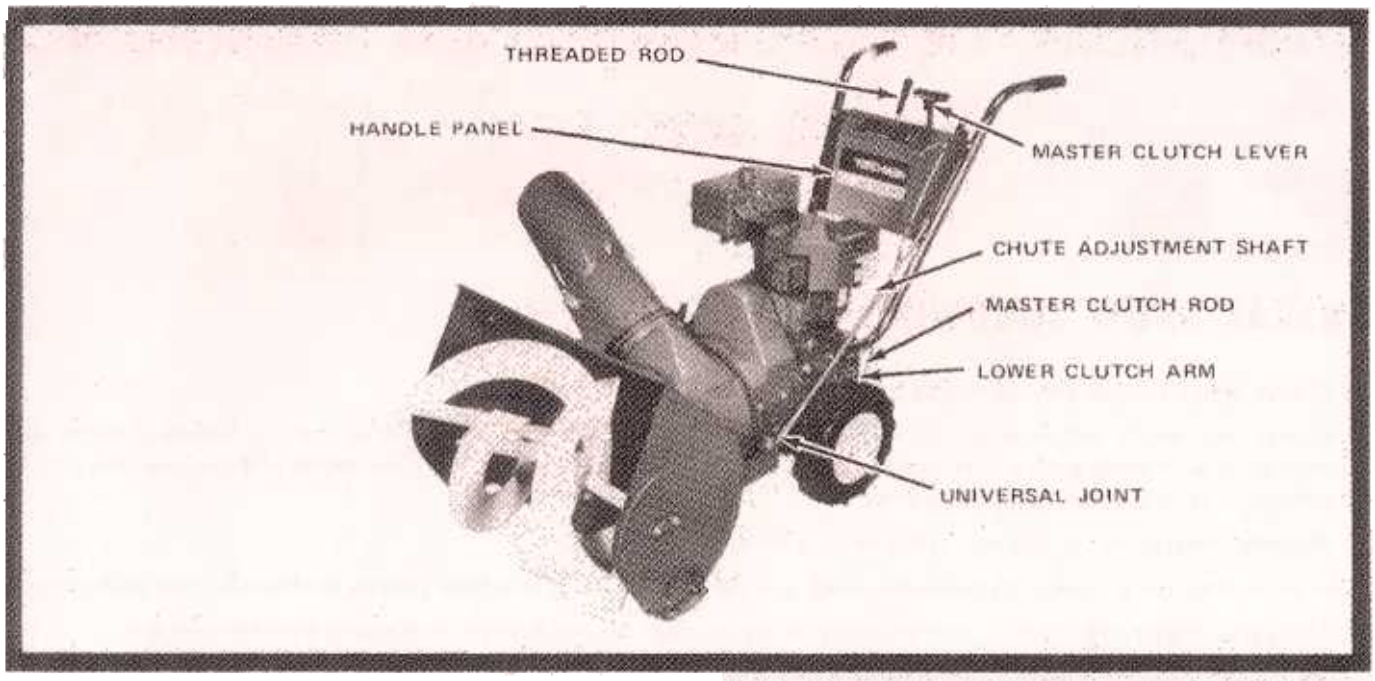
NOTE: NEVER RUN ENGINE INDOORS OR IN AN ENCLOSED AREA.

MAINTENANCE

Your SNOW THROWER like all machines with moving parts, must receive care and maintenance. The following tips, if used, will contribute many trouble-free hours to your machine.

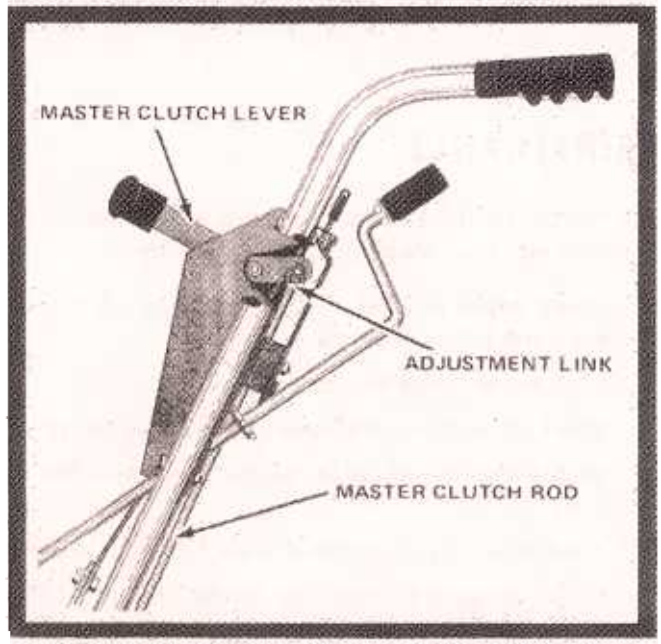
Check engine oil level frequently, or every 5 hours of use. When changing oil, make sure dirt and debris is cleaned from oil drain area before removing oil plug.

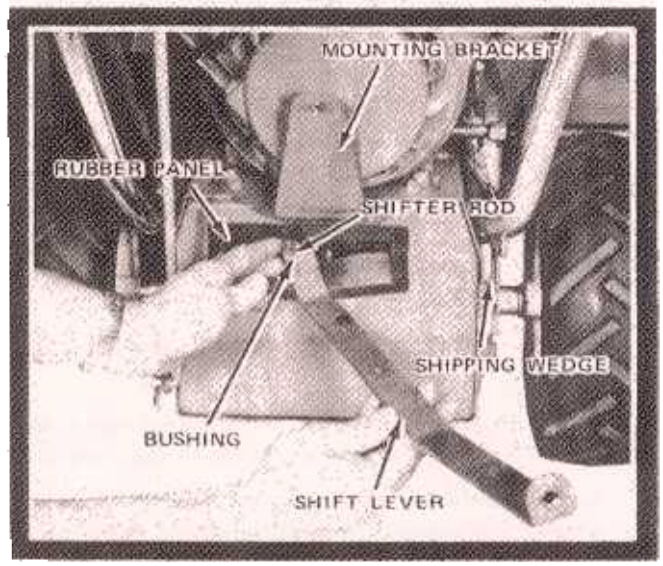
2. Keep fan and auger housings clean.
3. Check all nuts, bolts and screws occasionally for tightness to be sure machine is in good operating condition.
4. Should excessive vibration develop, check your fan and fan shaft immediately. Do not operate the machine with a bent fan or shaft.
5. The machine is pre-lubricated at the factory. However, lubrication with each usage will prolong life of working parts.
6. If you are going to store your SNOW THROWER for any length of time (30 days or longer) it is important that the following steps be taken.
    a. Drain the gas tank and carburetor. Start the engine and run it until out of gas. Gasoline left in the engine will leave gum deposits in the carburetor and gas tank.
    b. Clean engine of all foreign matter.
    c. Lubricate cylinder by removing the sparkplug and pouring one ounce of clean lubricating oil through the sparkplug hole into the cylinder. Crank engine slowly to spread oil and replace sparkplug.
7. Should unusual vibration develop in transmission, remove rubber panel in rear cover and check rubber drive disc condition. For reference see page 11.
8. The belt tension is adjustable. The tensioning of belt should be checked every 5-10 hours of operation. Refer to adjustments section for re-setting.
9. To prevent recoil freezing, when snow thrower is to be stored outside or in sub-freezing shelter, pull recoil rope out 6" to 12" and tie knot in rope or fasten handle to keep rope from re-winding. This procedure will set inner parts in position for starting.
10. Just as your automobile needs professional mechanical maintenance from time to time, so does your air-cooled engine. A yearly tune-up and check by a qualified service center is recommended to avoid breakdowns and unnecessary delays during the snow throwing season.



UNPACKING AND SET-UP

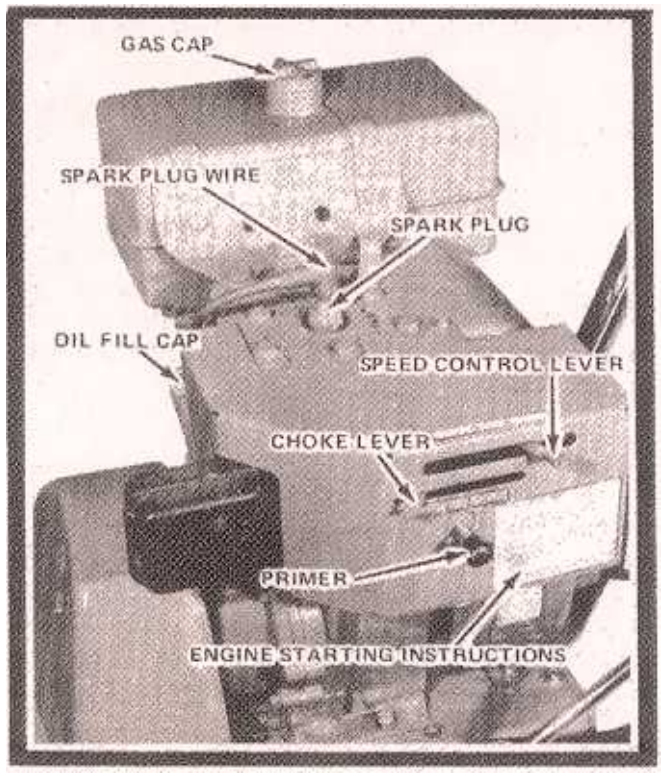
1. Before assembling your Snow Thrower be sure all hardware, parts, and instructions have been removed from the carton.
2. Assemble right and left handle tubes to the unit with bolts, lockwasher, and flat washers. Do not tighten.
3. Assemble handle panel assembly to the under side of right and left handle tubes and secure with four slotted hex head bolts and lock nuts. Tighten all bolts on the handle assembly.
4. Assemble chute adjustment shaft through hole in the handle panel and into universal joint located on left hand side of the frame. Align hole in universal joint with the hole in chute adjustment shaft and drive spring pin through the holes.
5. Insert bent end of the master clutch rod into the hole in the lower clutch arm (see top photo) and secure with cotter pin. Move master clutch lever forward to the end of the notch in the handle panel. To adjust, move link up or down threaded portion of master clutch rod until it is approximately one hole diameter below actual hole in the master clutch lever (see photo). Move master clutch lever back in notch until adjustment link slips into the hole in master clutch lever. Secure with cotter pin.
6. Insert shifter rod into the bushing on the end of the shifting lever (see photo). Pivot shift lever upward and secure to mounting bracket with bolt, washer, bushing, and nut. Assemble threaded rod into end of shift lever through the handle panel. Lock threaded rod in position with nut. Refer to Page 7 for adjustment of shift panel notches.





BEFORE STARTING ENGINE

1. Fill the fuel tank with fresh winter blend regular gasoline. DO NOT MIX OIL WITH GASOLINE. Make certain the fuel shut-off valve under the gas tank is turned on.
2. Place machine on a level surface. Remove oil fill cap and fill crankcase with good quality detergent oil.
   Use MS classification SAE 5W-20 oil for operation below 40°F. Use MS classification SAE 30 oil for operation above 40°F.
3. During initial "Break-in" period, the oil should be checked often.
4. Change oil after first two (2) hours of operation and check oil level every five (5) operating hours or each time machine is used.



STARTING ENGINE

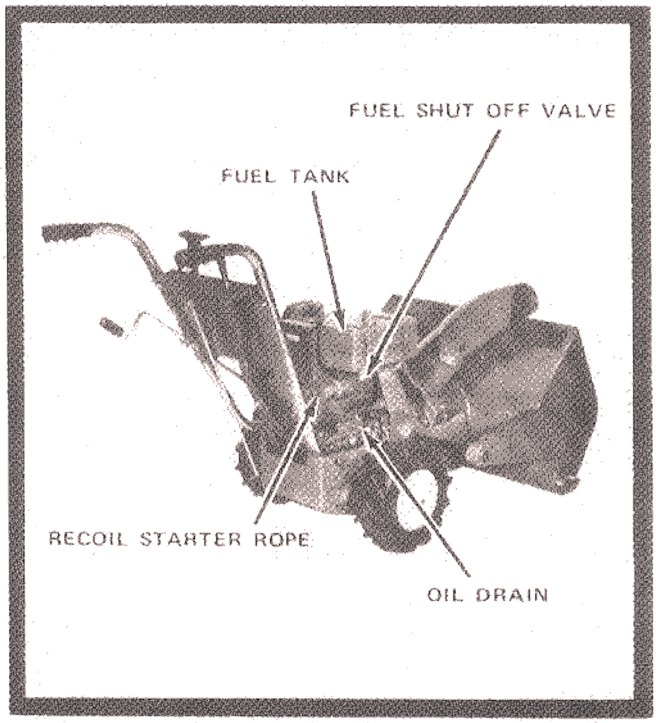
Shift the master clutch control to the Neutral position. Move the choke lever to full choke position. Move speed control lever to run position. Start the engine by pulling rapidly on the recoil starter rope. As the engine starts and begins to warm up, gradually return the choke lever to the "No Choke" position.

NOTE: Temperatures 10°F, and below use "Primer." Push primer button in and hold, pull engine slowly over compression once and release primer button. DO NOT ATTEMPT TO START THE ENGINE WITH PRIMER BUTTON HELD IN. (Do not use primer with 110 volt electric starter.)

If the engine should fail to start, refer to your engine Instruction Manual.

STOPPING THE ENGINE

To stop the engine move the speed control lever to the stop position or close the fuel shut-off valve under the gasoline tank. The sparkplug wire may also be removed to prevent accidental starting while unattended. Always run engine a few minutes before storing to dry moisture that collects inside of engine from blowing snow.



BEFORE SNOW THROWING

1. Try your Snow Thrower machine in a large open space with engine throttle in slow position. Learn to start, stop and back-up during this trial run.
2. In rough areas, lower the adjustable skids.
3. Remove stones, wire, cans, boards, bones or other solid objects from area to be cleared.
4. Always run engine a few minutes out-doors before throwing snow, to adjust engine and machine to outside air temperature.

OPERATION OF CONTROLS

MASTER CLUTCH CONTROL

The master clutch control is located on handle panel and is used to engage all power. Select a forward speed or reverse with shift lever, then release master clutch control and push forward to engage drive disc, fan, reel. To disengage, pull master clutch control back and lock in notch. The master clutch control must always be in neutral position before starting engine.

FREE WHEELING

The wheel clutches are located on wheels and are used to engage or disengage power to wheels. To free the wheels for pushing, pull out on the knob and turn to lock. To provide self-propelling power to the wheels turn clutches in the opposite direction and release. The wheel clutches are spring-loaded, move unit until the clutches lock to wheels.

DEFLECTOR

The deflector may be positioned in either a vertical or a 45° position in relation to the spout as needed for proper snow deflection by loosening the two wing nuts on both sides of the deflector. NOTE: For shipping purposes the deflector is lowered off the hinging pin. Loosen the wing nuts and reposition the deflector over the pin before operating the Snow Thrower.

DISCHARGE CHUTE AND SPOUT

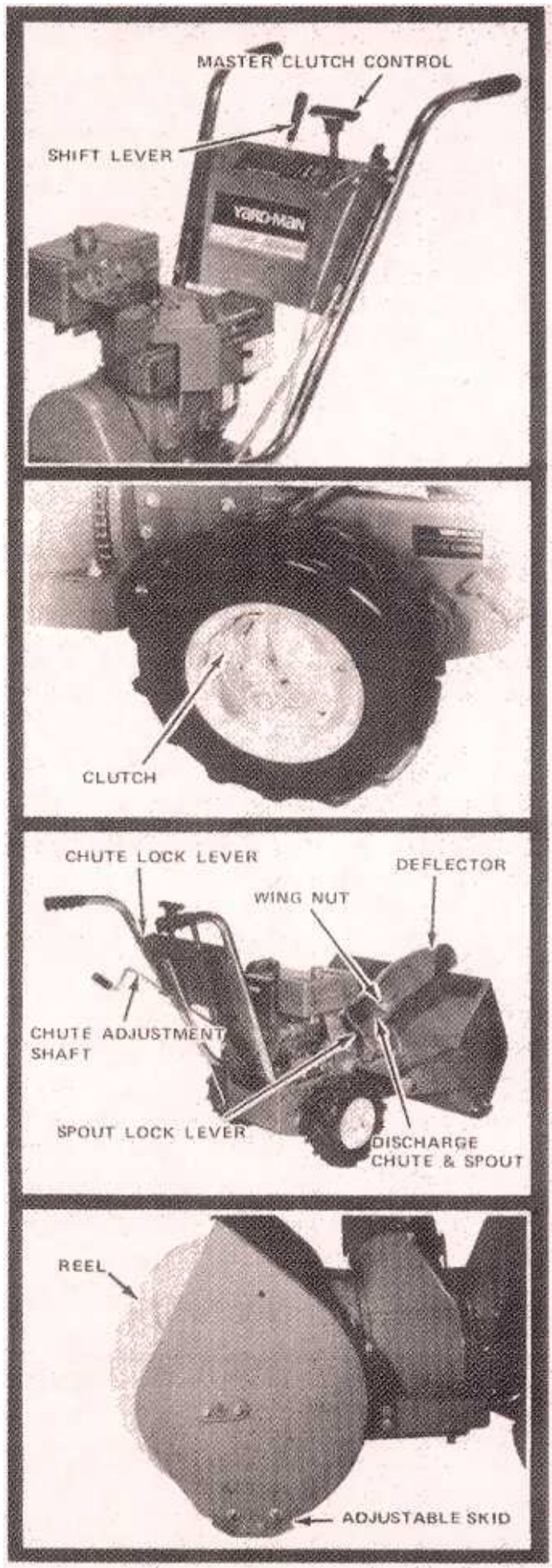
To rotate the discharge chute to the right or left, release chute lock lever, then rotate with chute adjustment shaft to desired position and lock. NOTE: The spout and deflector rotates automatically when rotating the discharge chute to the right and left. If it is desired to change position of the spout, lift spout lock lever on the right hand side of unit and hold while rotating the spout. Release the lever and turn spout slightly until it locks into position.

ADJUSTMENTS

NOTE: Make all adjustments with the engine turned off and wire removed from the sparkplug. (Fasten wire to cylinder head at least 1" away from sparkplug.)

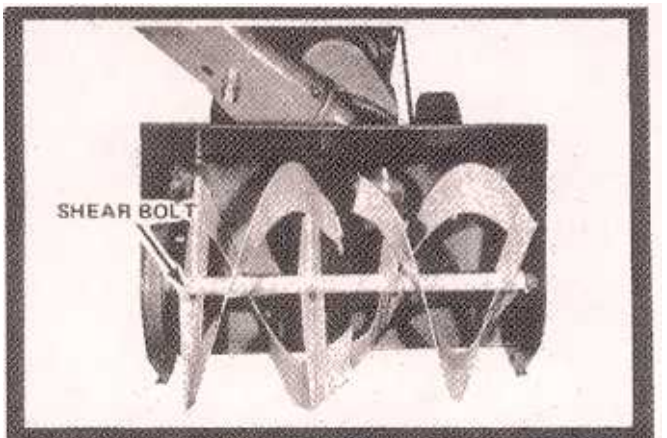
DEPTH ADJUSTMENT

The adjustable skids may be set lower to prevent picking up loose stones and foreign material. Also they can be raised to allow the reel to slightly touch the ground for additional pulling power.



REPLACING SAFETY SHEAR BOLT

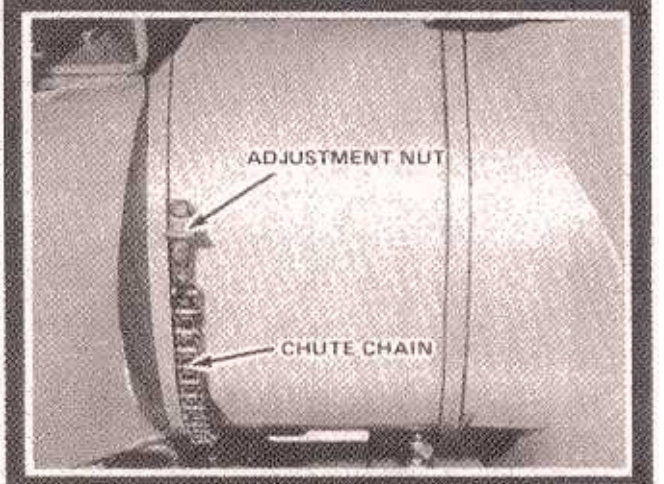
If the intake snow reel should jam causing the safety shear bolt to shear, it may be replaced with a new bolt, furnished in the parts bag, after removing the broken pieces in the shaft. NOTE: Always align the hole in the reel shaft and the sprocket shaft before driving out the broken bolt. DO NOT remove solid pin located near shear bolt hole.



CHUTE CHAIN AND ADJUSTMENT

To tighten the chute chain, rotate the chute all the way to the left, until a adjustment bolt is accessible. Tighten the adjustment nut to tighten the chain.

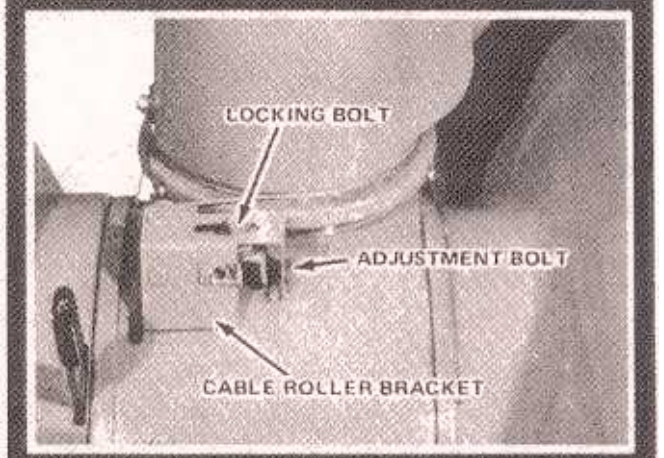
CAUTION: Chain must be kept snug on chute housing.



CHUTE CABLE ADJUSTMENT

Remove cable roller cover, loosen the locking bolt on top of the cable roller bracket and tighten the adjustment bolt on the side.

CAUTION: The cable should not be adjusted too tightly, adjustment should allow the spout to rotate freely. Retighten the locking bolt and replace the cable roller cover.

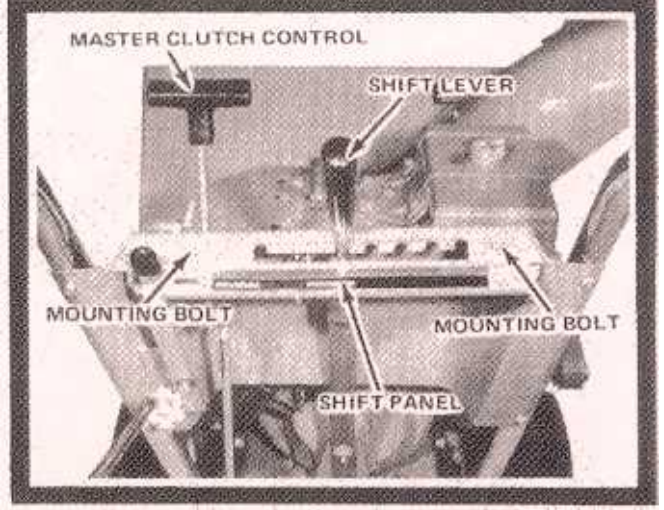


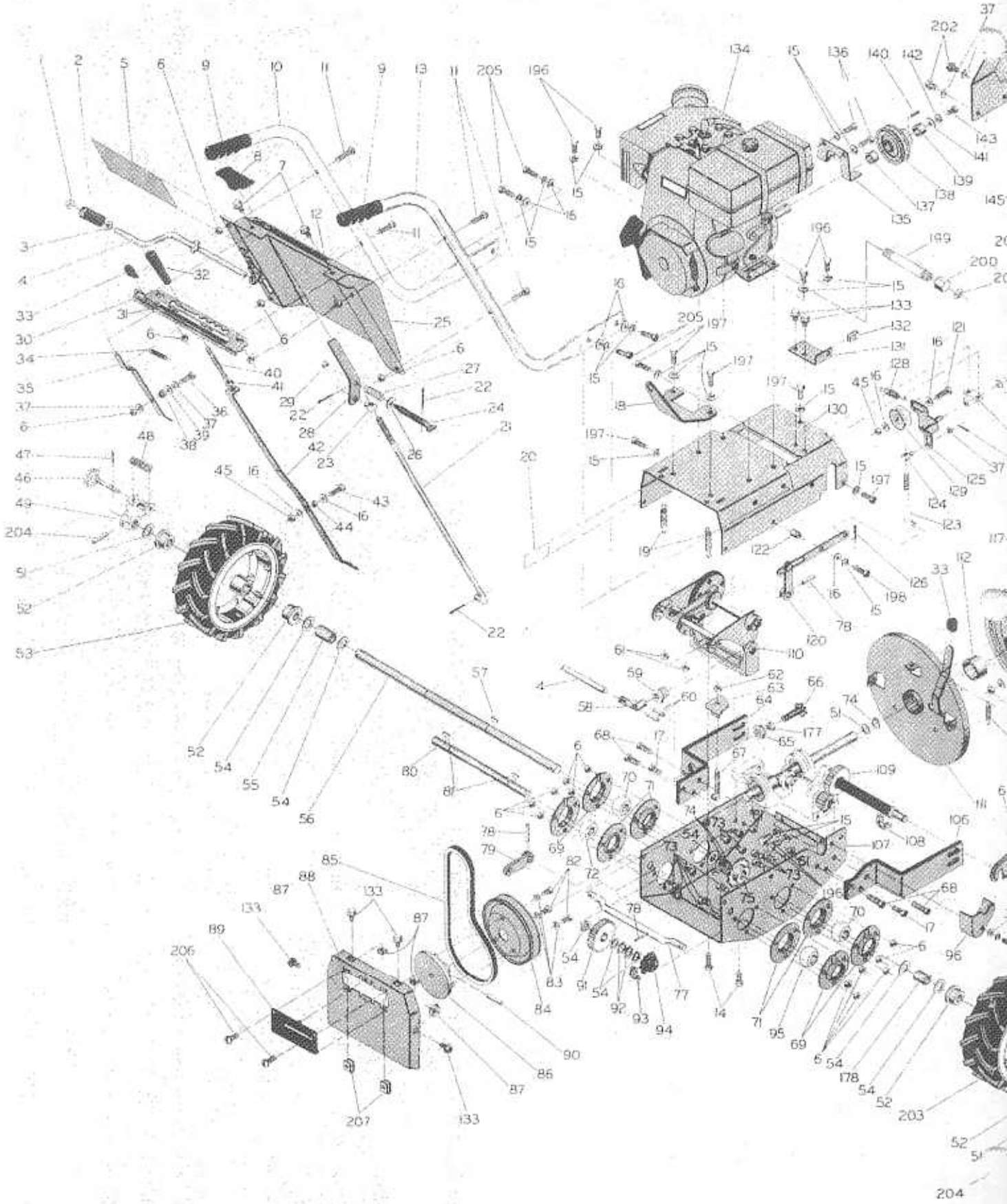
SHIFT PANEL ADJUSTMENT

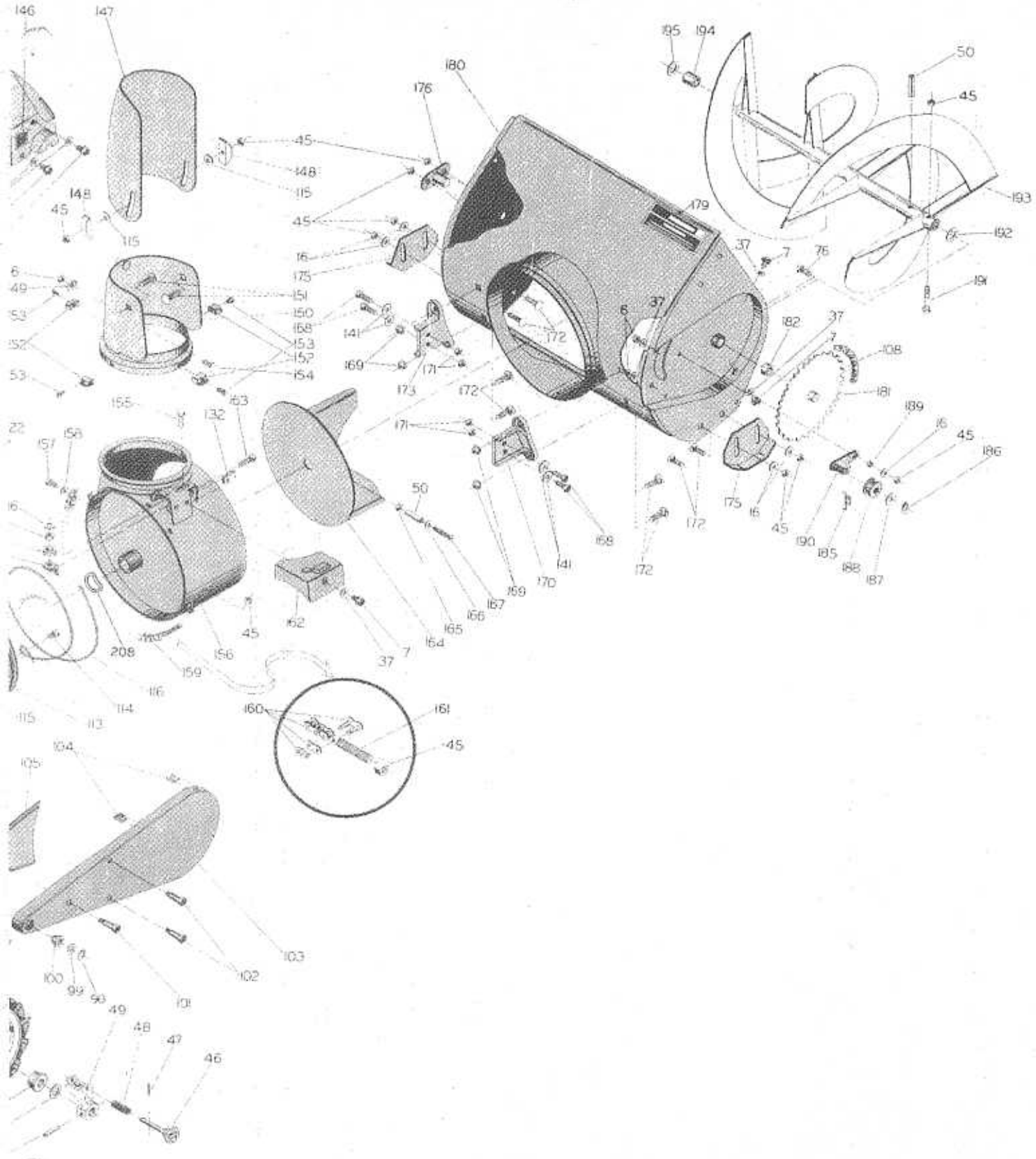
To set or adjust the shift panel for correct speeds, place master clutch control in stop position and the shift lever into the fifth speed notch. Loosen the two mounting bolts and push shift lever right as far as allowed, hold, and tighten mounting bolts. DO NOT ATTEMPT THIS ADJUSTMENT WITH THE ENGINE RUNNING. To check adjustment, start engine, move shift lever to first speed notch and engage master clutch control. Unit should move forward very slowly.

If first or reverse speeds are not satisfactory with this adjustment, move panel to the right for a faster first speed. Move panel to the left for a faster reverse speed.

NOTE: Adjustment section continued on page 12.







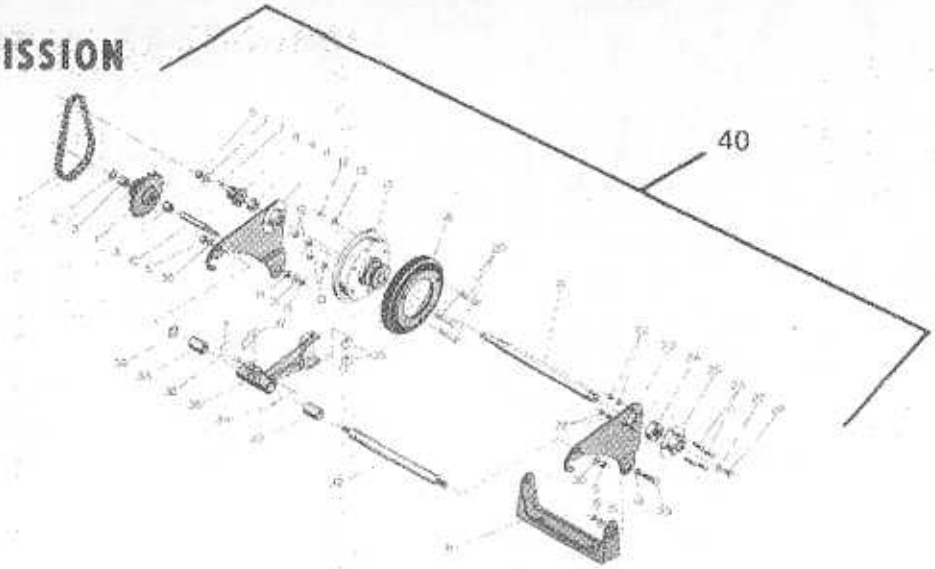
See pages 10 and 11 for parts list.

PARTS LIST
MODEL 7100-2

Your SNOW THROWER is right hand (R.H.) or left hand (L.H.) as you operate machine.

1	1539-80	Nut – Push 1/2
2	1668-29-40	Roller – Crank
3	41256	Washer – S.A.E. 1/2
4	2119-49	Assembly – Chute Crank
5	3616-619	Decal – Handle Panel
6	1538-30	Nut – Hex Lock 1/4-20 Eslok
7	40070	Bolt – Flanged Whizlock 1/4-20 x 1/2
8	2643-51-40	Knob – "T"
9	1710-50-40	Grip – Handle
10	4712-99	Handle – L.H.
11	1509-139	Bolt – Hex Head Slotted 1/4-20 x 1-1/2
12	1616-459	Decal – Operations
13	4712-98	Handle – R.H.
14	40890	Bolt – Hex Head 5/16-18 x 1" Grade 5
15	40149	Washer – Lock Spring Type 5/16
16	40140	Washer – Standard Wrought 5/16
17	3-79	Bolt – Hex Head 5/16-18 x 3/4
18	3609-433	Bracket – Shift Lever Mount
19	41994	Spring – Extension
20	1605-619	Decal – Name Plate
21	1683-92	Rod – Clutch
22	40035	Pin – Cotter 1/8 x 1
23	21989	Link – Rod Adjustment
24	1683-93	Rod – Clutch Handle
25	3153-36	Assembly – Handle Panel
26	1008	Washer – S.A.E. 3/8
27	1642-112	Spring – Compression
28	1705-39	Lever – Clutch
29	41-028	Nut – Hex Lock 5/16-24
30	3709-33	Panel – Shifting
31	2616-461	Decal – Shifting Panel
32	41226	Knob – Shifting
33	1674-47-40	Cap – Chute Lock
34	42200	Spring – Extension
35	2705-40	Lever – Chute Lock
36	1509-34	Bolt – Hex Head 1/4-20 x 3/4
37	40882	Washer – S.A.E. 1/4
38	1657-58	Bushing – Step
39	1652-9	Washer – Wave
40	1683-94	Rod – Shift Lever Extension
41	42342	Nut – Hex Lock 3/8-16 Eslok
42	2155-26	Assembly – Shifting Lever
43	1509-17	Bolt – Hex Head 5/16-18 x 1"
44	1657-67	Bushing – Spacer
45	40153	Nut – Hex Lock (7-Way)
46	1643-52-41	Assembly – Knob W/Lock Pin
47	1648-14	Pin – Spring 1/8 x 1"
48	1642-114	Spring – Compression
49	3609-583-41	Bracket – Wheel Lock
50	40052	Pin – Spring
51	1540-137	Washer – Flat Steel 51/64 x 1-1/4 x 1/32 T
52	1652-122	Bushing – Flanged Wheel
53	3110-69-41	Assembly – Wheel Complete L.H. 12 x 3.50-6 Semi-Pneumatic
54	40904	Washer – Flat Steel 51/64 x 1-1/4 x 1/16 T.
55	1657-71	Bushing – Spacer L.H.
56	2632-183	Shaft – Wheel Axle
57	1646-23	Key – Woodruff
58	22223	Universal Joint
59	1657-61	Bushing – Hex
60	1648-20	Pin – Spring
61	42373	Nut – Hex Lock 5/16-18
64	3755-5	Strap – Scoop Mount L.H.
65	41182	Nut – Hex Lock (Esna 3/4-16)
66	1119-50	Assembly – Sprocket & Shaft
68	1509-136	Bolt – Hex Head 3/8-16 x 1" Grade 5 Eslok
69	1543-46	Washer – Flanged Retainer W/Oil Groove
70	41299	Bushing – Spherical 20 MM
71	1543-57	Washer – Flanged Retainer
72	1652-115	Bushing – Spherical 3/4 Short
73	1509-15	Bolt – Hex Head 1/4-20 x 1/2
74	1650-50	Ring – Retaining (External)
75	2638-53	Sprocket – 20 T
76	40157	Bolt – Hex Head Whizlock 5/16-18 x 5/8
77	2632-180	Shaft – Offset
78	40790	Pin – Spring
79	1689-75	Arm – Lever (Clutch Rod)
80	2632-178	Shaft – Intermediate
81	42011	Key – Woodruff 3/16 x 5/8
82	1509-137	Bolt – Hex Head (Self Tapping) 1/4-20 x 3/4
83	1018	Washer – Lock Spring Type 1/4
84	3626-91	Pulley – "V" Special 8"
85	1651-45	Belt – "V" 4 L Special
86	3675-20	Disc – Friction Drive
87	1539-86	Nut – Speed Grip 1/4-20
88	3622-115	Cover – Rear Frame
89	3622-121-40	Cover Shift Lever Panel
90	40050	Pin – Spring 5/16 x 2"
91	2635-14	Gear – Spur 38 T
92	40735	Ring – Retaining 3/4
93	1654-32	Chain – W/Conn. Link #41 x 36 Pitches
94	2638-52	Sprocket W/Hub 15 T
95	1652-92	Bushing – Spherical 3/4
96	2632-118	Cover – Gear (Lower)
97	1509-69	Bolt – Hex Head 1/4-20 x 1 3/4
98	1650-51	Ring – Retaining (External) 11/16
99	1540-138	Washer – Flat Steel 23/32 x 1-1/4 x 1/32 T
100	1657-65	Bushing – Step
101	1513-113	Bolt – Shoulder 1/4-20
102	1513-125	Bolt – Shoulder 1/4-20 Grade 5
103	2118-58	Assembly – Chain Cover
104	1539-90	Nut – Speed Grip 1/4-20
105	3622-122	Cover – Chain (Idler)
106	3765-6	Strap – Scoop Mount R.H.
107	2168-55	Assembly – Frame
108	1654-35	Chain – Belt W/Conn. Link #40 x 110 Pitches
109		See Page 11
110	-	See Page 11
111	3150-17	Assembly – Chute Frame Disc (Complete)
112	41362	Bushing – Oil Filled
113	3120-70	Assembly – Cable Pulley
114	1509-126	Bolt Hex Head 1/4-20 x 1/2 Grade 5
115	40156	Washer – S.A.E. 5/16
116	20263	Cable – Steel 1/16 Dia. x 96"
117	60051	Bracket – Cable Tightener
118	20110	Roller – Cable
119	40108	Bushing – Cable Roller
120	2169-31	Assembly – Arm (Clutch Linkage)
121	40152	Bolt – Hex Head 5/16-18 x 1-1/2
122	1657-64	Bushing – Step
123	1683-91	Rod – Idler Link
124	1625-31	Link – Rod – Connecting
125	1169-32	Assembly – Idler Arm
126	41767	Pin – Cotter 3/32 x 3/4
127	2609-440	Bracket – Idler Mount
128	1642-111	Spring – Extension
129	41374	Assembly – Pulley Idler
130	2139-11	Assembly – Engine Base
131	1609-542	Bracket – Support (Belt Cover)
132	40115	Nut – Speed (U-Type) 1/4-20
133	1513-36	Bolt – Flanged Whizlock 1/4-20 x 5/8
134	2200-57	Engine – 7 H.P. Tecumseh
135	2659-22	Guide – Belt Restrictor
136	1609-134	Bolt – Hex Head 5/16-24 x 1/2
137	1657-40	Bushing – Spacer
138	22455	Pulley – Engine
139	1657-41	Bushing – Spacer
140	1646-20	Key – Pulley
141	40794	Washer – Standard Wrought
142	1542-8	Washer – Lock 3/8 Spring Type
143	1509-105	Bolt – Hex Head 3/8-24 x 1/2
144	4622-120	Cover – Pulley & Belt
145	1616-458	Decal – Belt Replacement
146	42225	Decal – Spout Release
147	3550-14	Deflector – Discharge
148	20102	Nut – Wing
149	40085	Washer – Cable Clamp
150	3213-7	Assembly – Spout W/Flange
151	40100	Bolt – Carriage Short Sq. Neck 5/16-18 x 1
152	1704-8	Stop – Retainer
153	1511-44	Screw – Slotted Hex Head #6-6 x 3/8
154	1528-30	Bolt – Carriage 1/4-20 x 1/2
155	40496	Screw – Hex Head 5/16 x 1 1/2 Type B
156	3102-179	Assembly – Blower Housing & Chute
157	1513-122	Screw – Self Tapping #10-32 x 3/4
158	1540-145	Washer – Standard Wrought 3/16
159	1209-2	Assembly – Chute Chain
160	1654-34	Chain W/Conn. Link #41 x 32 Pitches
161	40116	Bolt – Chain Connecting
162	3622-123	Cover – Cable Roller Bracket
163	40495	Screw – Slotted Hex Head 5/16 x 1 Type B
164	2197-6	Assembly – Fan
165	42194	Nut – Hex Lock #8-32
166	42195	Washer – Flat Steel #8
167	42193	Screw – Slotted (Round Head) #8-32 x 1 3/4
168	1509-117	Bolt – Hex Head 3/8-16 x 1-1/4 Grade 5
169	1538-22	Nut – Hex Flanged Whizlock
170	3609-438	Bracket – Scoop Mounting R.H.
171	1538-24	Nut – Hex Lock 3/8 Esna
172	40160	Bolt – Carriage 5/16-18 x 3/4
173	3609-439	Bracket – Scoop Mounting L.H.
175	2713-10	Skid – Scoop
176	1119-46	Assembly – Reel Shaft & Plate
177	1657-63	Bushing – Spacer
178	1652-70	Bushing – Spacer
179	2616-514	Decal – Caution
180	2212-11	Assembly – Scoop
181	2121-17	Assembly – Reel Sprocket
182	1652-117	Bushing – Scoop End 7/8 x 1 x 3/4
185	1642-110	Spring – Extension
186	1650-41	Ring – Retaining (External 1/2)
187	1540-118	Washer – Flat Steel 17/32 x 1-1/4 x 1/16 T.
188	1626-76	Pulley – Chain Idler
189	1657-60	Bushing – Chain Idler
190	1169-30	Assembly – Arm (Chain Idler)
191	1513-112	Bolt – Shear
192	1540-141	Washer – Flat Steel (As Needed) 51/64 x 1 1/4 x 1/32 T.
193	2135-53-41	Assembly – Reel W/Bushing
194	40027	Bushing – Oilite
195	40882	Washer – Flat Steel (As needed) 25/32 x 1-1/4 x 1/32 T
196	1513-132	Bolt – Hex Head Thread Forming 5/16-18 x 5/8
197	1513-41	Bolt – Hex Head Thread Forming 5/16-18 x 3/4
198	1513-133	Bolt – Hex Head Thread Forming 5/16-18 x 1 Eslok
199	1745-25	Pipe – Oil Drain 1/4-18 NPT x 3 1/2
200	1674-29	Cap – Oil Drain 1/4-18 NPT
202	1511-33	Bolt – Hex Head Thread Forming 1/4-20 x 1/2 "SEM"
203	3110-68	Assembly – Wheel Complete R.H. 12 x 3.50 - 6 Semi-Pneumatic
204	1547-42	Pin – Groove 5/16 Dia. x 2"
205	1513-135	Bolt – Hex Head Thread Forming 5/16-18 x 1 (Eslok)
206	1522-11	Screw – Slotted Truss Head #10-12 x 1/2 (Type A)
207	1539-93	Nut – Speed Grip #10A ("U" Type)
208	1552-16	Washer – Bowed

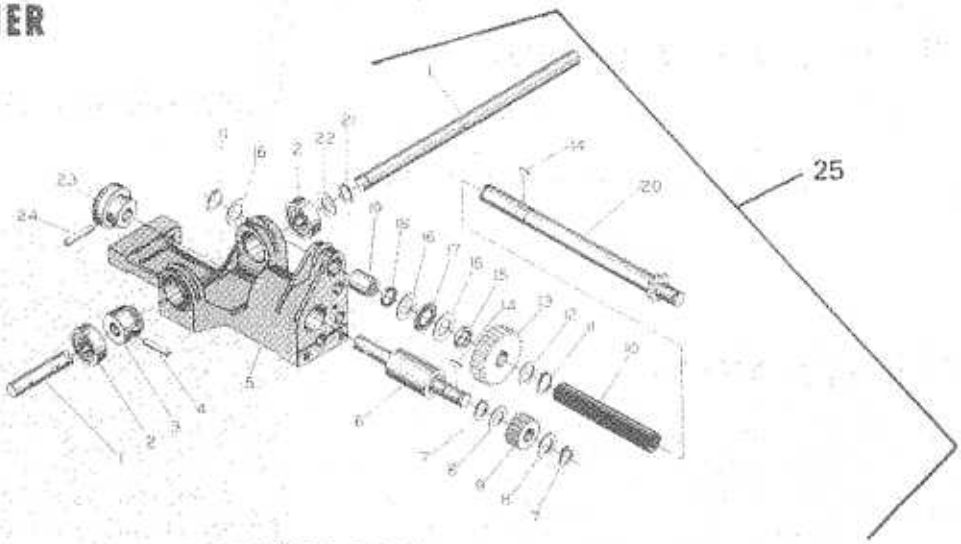
TRANSMISSION



PARTS LIST

REF NO	PART NO	DESCRIPTION
1	1854-31	Chain – W/Connecting Link No. 41 x 28 pitches
2	1624-192	Spacer – Gear Sprocket
3	1652-114	Bearing – Needle 7/16 x 1/2 L.
4	3148-5	Assembly – Gear & Sprocket W/Bearing (Included Ref. No. 3)
5	42342	Nut – Hex Lock 3/8-16 (Elok)
6	1006	Washer – S.A.E. 3/8
7	1646-24	Key – Woodruff 3/32 x 5/8
8	2638-51	Sprocket – 8T.
9	1024-191	Spacer – Sprocket
10	1832-177	Shaft – Gear & Sprocket
11	2111-107	Assembly – Plate Pivot L.H.
12	1538-30	Nut – Hex Lock 1/4-20 Elok
13	1018	Washer – Lock Spring Type (Light 1/4)
14	1657-60	Bushing – Pivot
15	40148	Washer – Standard Wrought 5/16
16	42373	Nut – Hex Lock 5/16-18 Esna
17	3150-20	Assembly – Dia. Drive Wheel W/Hub
18	2675-26	Ring – Rubber Drive
20	1909-90	Bolt – Hex Head 1/4-20 x 1-1/4
21	2632-175	Shaft – Hex
22	42180	Nut – Hex Lock No. 10-24 Esna
23	3606-146	Plate – Pivot R.H.
24	1652-108	Bearing – Ball Sealed
25	1629-14	Flange – Retainer
26	1511-39	Screw – Slotted Truss Head No. 10-24 x 5/8
27	1540-89	Washer – Standard Wrought 1/4
28	40070	Bolt – Flanged Whizlock 1/4-20 x 1/2
29	40890	Bolt – Hex Head 5/16-18 x 1" (Grade 5) (Elok)
30	1642-6	Washer – Lock Spring Type (Med) 3/8
31	2609-432	Bracket – Mount (Pivot Plate)
32	1632-176	Shaft – Stop
33	1657-63	Bushing – Sintered Bronze 3/4 x 7/8 x 1"
34	40035	Pin – Cotter 1/8 x 1"
35	1704-1	Shoe – Shifting Yoke
36	2147-14	Assembly – Shifting Yoke
37	1777-6	Eye – Shift Yoke Stop
38	1683-90	Rod – Shifter
39	40735	Ring – Retaining 3/4
40	3114-19	Assembly – Friction Drive Wheel, Complete

GEAR CARRIER

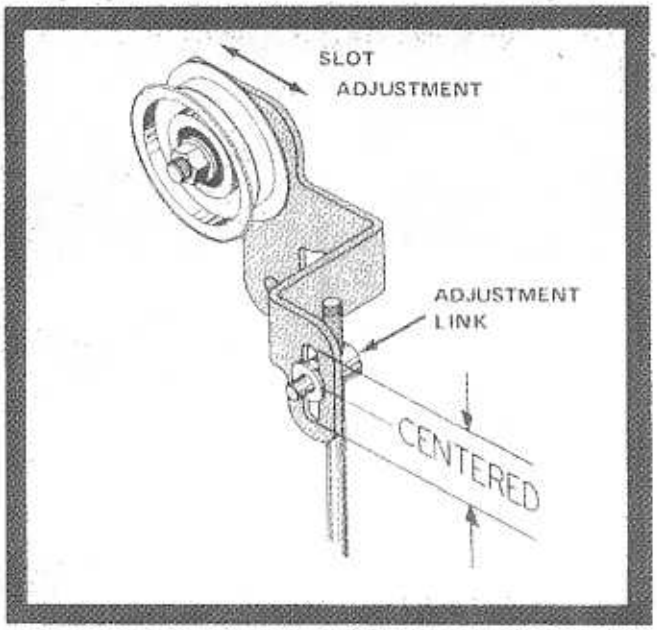


PARTS LIST

REF NO	PART NO	DESCRIPTION
1	3632-174	Shaft – Fan 20 MM
2	1652-111	Bearing – Ball (Double Sealed) 3/4
3	2635-72	Gear – Bevel 18T.
4	40052	Pin – Spring 9/16-Dia. x 1-1/2
5	4820-441	Bracket – Gear Carrier
6	1652-125	Bearing – Shaft Integral
7	40739	Ring – Retaining (External) 3/4
8	40883	Washer – Flat Steel 25/32 x 1-1/4 x 1/32
9	2635-70	Gear – Spur 14 T.
10	1624-193-40	Sleeve – Shaft Cover
11	1650-49	Ring – Retaining (External) 13/16
12	1540-136	Washer – Flat Steel 27/32 x 1-1/4 x 1/32 T.
13	2635-69	Gear – Spur 30 T.
14	42041	Key – Woodruff 3/16 x 5/8
15	1624-190	Spacer – Gear
16	1543-60	Washer – Thrust
17	1652-124	Bearing – Thrust
18	1656-13	Seal – Oil 13/16 x 1-1/16
19	1652-113	Bearing – Roller (Needle) 13/16
20	2119-65	Assembly – Shaft W/Sprocket
21	1650-50	Ring – Retaining (External) 25/32
22	1540-137	Washer – Flat Steel 51/64 x 1-1/4 x 1/32 T.
23	2635-71	Gear – Bevel 27T.
24	40720	Pin – Spring 5/16 x 1-3/4
25	4132-111	Assembly – Gear Carrier Complete

ADJUSTMENTS (Continued from page 7)

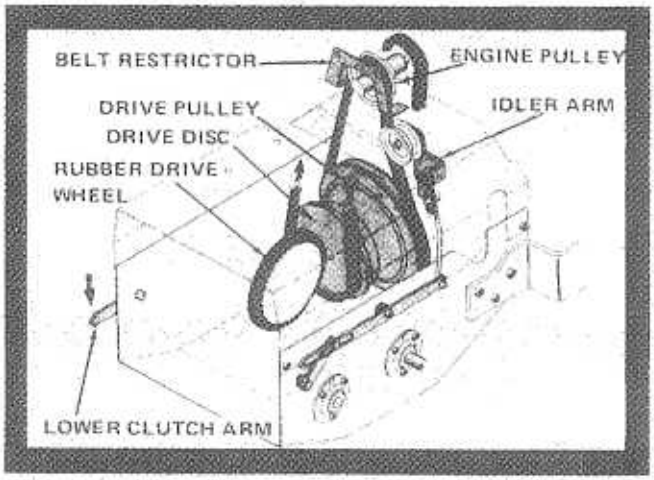
NOTE: Make all adjustments with the engine turned off and wire removed from the sparkplug. (Fasten wire to cylinder head at least 1" away from sparkplug.)



IDLER LINKAGE ADJUSTMENT

Should the drive belt stretch enough to prevent the adjustment link from moving freely in the idler arm slot, with the master clutch lever in **drive** position, adjust as follows. With master clutch in drive position, remove cotter pin from adjustment link. Thread the link up the rod until it is centered in the slot. Place the link in the slot and secure with washer and cotter pin.

To check the adjustment, return the master clutch lever to neutral position and pull engine recoil over to see if belt is not driving. If belt does not release, lower the adjustment link slightly below center or until belt does release in neutral. These adjustments must also be checked when belt is replaced or the idler is adjusted in the idler arm slot.

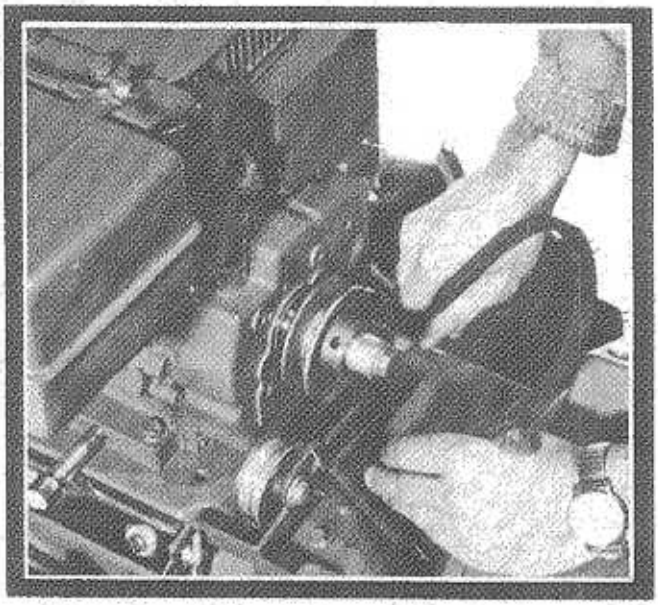


IDLER PULLEY ADJUSTMENT

For more adjustment to gain proper tension on the belt, the idler pulley can be moved in or out in the adjustment slot. Refer to idler linkage adjustments after making this adjustment.

BELT REPLACEMENT

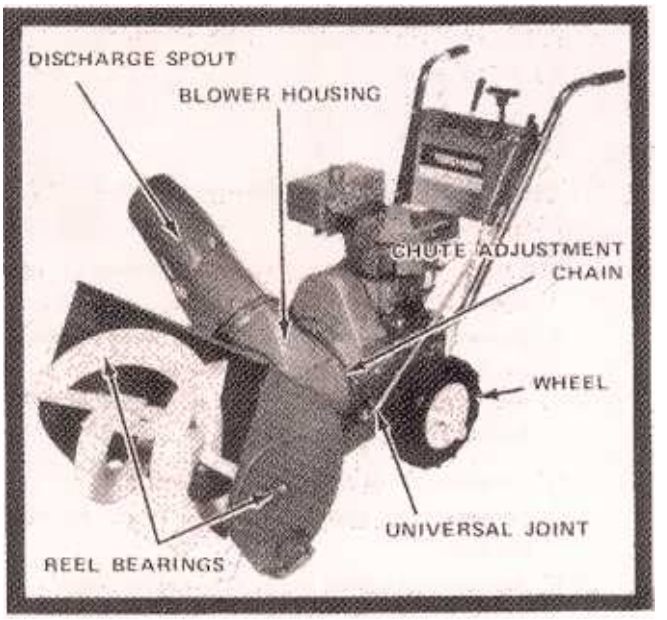
First, remove plastic cap on spout lock lever, then remove belt cover. Unhook idler spring to release idler tension on belt. Remove belt restrictor. Remove rear cover (after shift lever is removed). This will allow one to reach in from back of unit. Remove master clutch rod from lower arm. Remove belt from engine pulley and push belt down off drive pulley. Push belt toward rear of unit around drive disc, then pull belt up between rubber drive disc and pulley disc. Push down on lower arm on left side of unit, this allows more room between rubber disc and pulley disc. Reach in from back of unit and push belt up, then pull belt out. To install new belt, reverse steps using only original equipment replacement belt No. 1651-45.



LUBRICATION

CHANGING ENGINE OIL

Drain oil when engine is warm. To drain oil, place pan under frame directly beneath oil drain extension. Remove oil drain cap and allow oil to drain completely. Replace cap and tighten securely. Refill to "Full", approximately 1 pint. See engine manual for complete engine lubrication and service instructions.

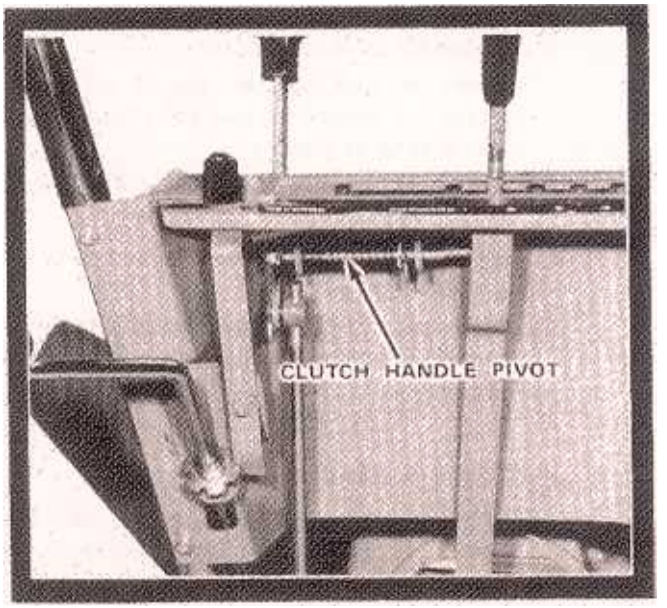


LUBRICATION POINTS

LUBRICATE THE PARTS PERIODICALLY AS ILLUSTRATED. The following points are to be lubricated every five hours of operation with SAE 20 weight light duty oil, unless otherwise noted.

1. Spherical Bearings (Both Sides)
2. Wheels
3. Discharge Spout
4. Blower Housing
5. Reel Chain
6. Chute Adjustment Chain
7. Chain Guard Bushing
8. Universal Joint
9. Reel Bearings
10. Cable Rollers
11. Idler Arm & Linkage
12. Clutch Handle Pivot
13. Shift Yoke Slide

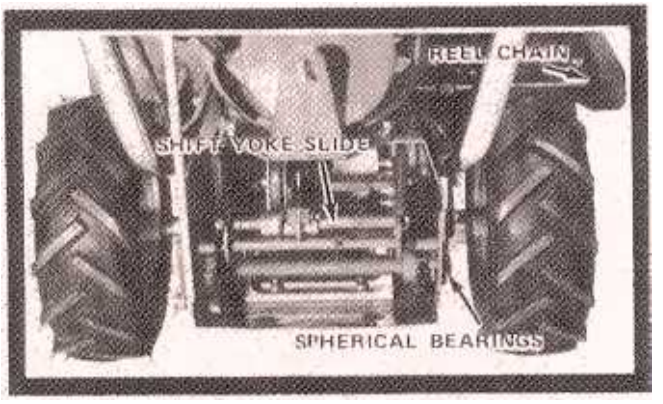
AFTER BREAK IN PERIOD (FIRST 3 TO 4 HOURS OF OPERATION), CHECK ALL BOLTS AND NUTS FOR TIGHTNESS.



END OF SEASON STORAGE

In the event the engine is to be stored for any length of time (30 days or more) or at the end of the snow throwing season, prepare it as outlined in the following steps:

1. Drain gas tank completely by removing fuel line at the carburetor or fuel tank, whichever is easier.
2. Drain the carburetor by pressing upward on the bowl drain.
3. To protect the engine when storing, remove the sparkplug and inject one ounce of SAE 10 weight oil through the sparkplug hole into the cylinder. Crank the engine (without starting) several times to spread the oil over the cylinder walls.
4. Lubricate all lubrication points as outlined in Lubrication Section.
5. Handles can be removed to save space by disconnecting master clutch rod, universal joint and shift lever.



CHUTE CABLE REPLACEMENT OR REPAIR

1. REMOVE THE BLOWER HOUSING FROM THE MACHINE.

A. Remove the chain guard and disconnect the reel drive chain at the chain connecting link.

B. Remove the four carriage bolts, fastening the scoop to the mounting brackets. Remove the scoop and reel assembly intact. Do not remove mounting brackets from frame straps.

C. Remove the spring pin and remove fan.

D. Loosen chute chain to allow for removal of blower housing.

E. Remove the blower housing from the unit.

2. REMOVE THE WORN CABLE.

A. Place the blower housing on a bench with the cable pulley exposed.

B. Remove the cable roller cover.

C. Loosen the lock bolt on top of the cable roller bracket and adjust the cable adjusting bolt and cable roller in as far as possible.

D. Lift the cable pulley away from the blower housing approximately 3 inches.

E. Loosen the cable mounting bolt and remove the cable ends from the cable pulley.

F. Loosen the nut on the cable washer which holds the cable to the upper spout assembly and remove the worn cable.

3. REPLACE NEW CABLE.

A. Fasten a loop in center of the cable under the cable washer making certain that both ends of the cable are even.

B. With the cable crossed, wrap each end of the cable around the upper spout.

4. PLACING THE NEW CABLE OVER THE CABLE ROLLERS.

A. Rotate the upper spout assembly with the discharge side in the opposite direction from the cable pulley side of the blower housing.

B. Extend the cable from the right side of the upper spout assembly over the roller on the left side of the cable roller bracket and through the left cable hole in the top of the blower housing. Extend the cable from the left side of the spout assembly across the center cable roller, back and around the cable adjustment roller and over the cable roller on the right side of the cable roller bracket and down to the right hole in the top of the blower housing.

C. Turn the cable pulley with the cable bolt toward the bottom of the blower housing.

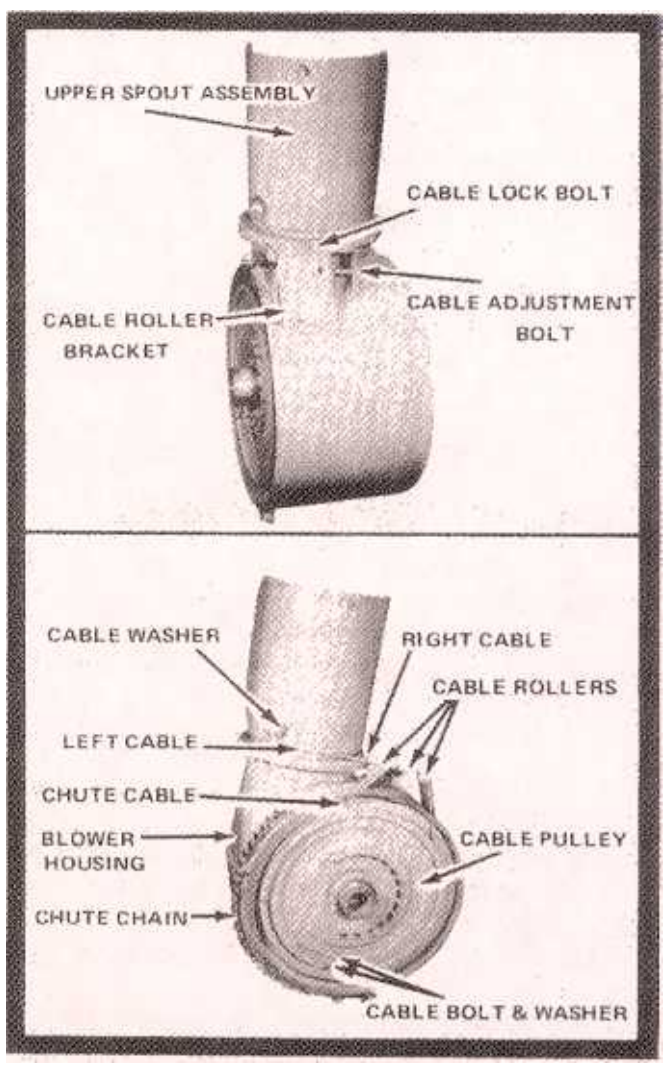
D. Put the ends of the cable up through the holes in the bottom of the cable pulley and cross the ends up and over the cable bolt and under the washer. Pull the cable tight and tighten the cable bolt and nut, making sure the cable remains in the track around the cable Pulley.

E. Slide cable pulley back into place.

F. Tighten cable with adjusting cable bolt.

5. REPLACE THE BLOWER HOUSING

A. Reverse the steps outlined in Step 1 to replace the blower housing and parts to the Snow Thrower.



SERVICE RECORD

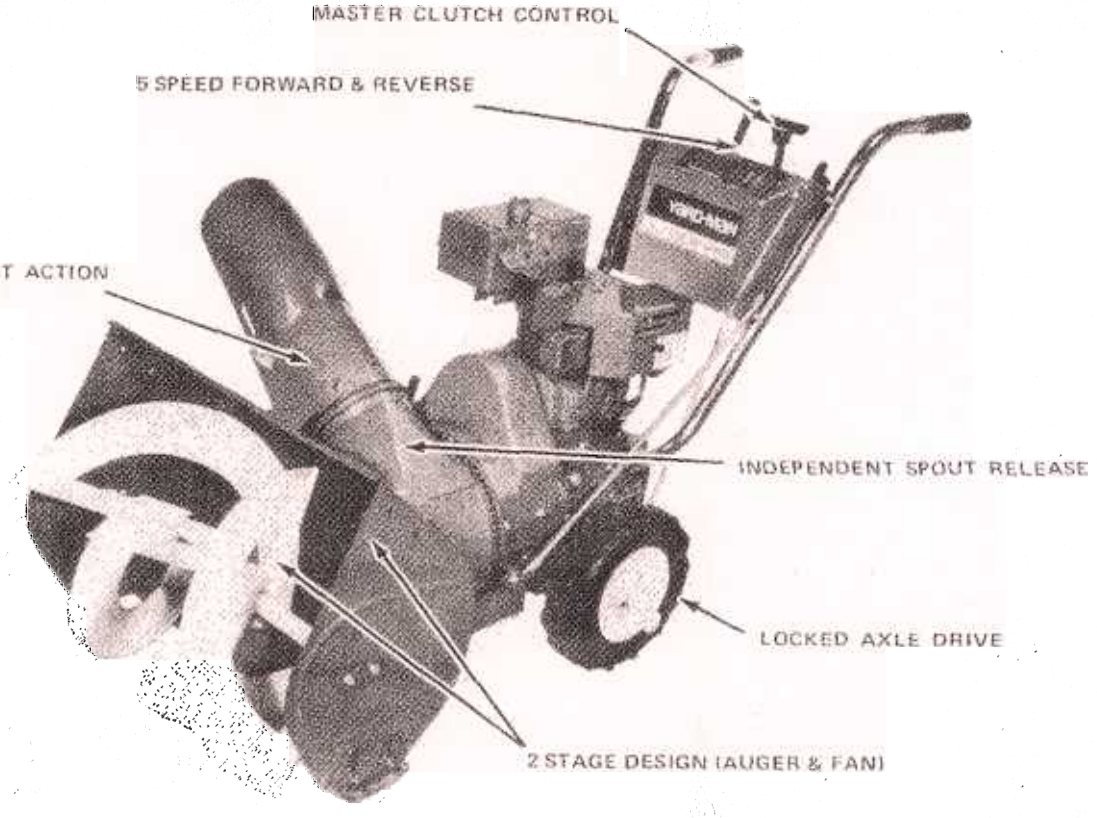
DATE	DESCRIPTION

When you own this - -

YARD-MAN

26" SNOW THROWER

you enjoy these outstanding features



WARRANTY

We guarantee all parts against defects in material and workmanship for a period of one (1) year from the date of purchase when used for residential. 90 days for commercial

We agree to repair or replace without charge to the original Purchaser, including labor, any part or parts upon examination by a Yard-Man Authorized Dealer to be defective within the guarantee period except the engine which is warranteed separately by the manufacturer. **All transportation charges for replacement under this guarantee must be paid by the Purchaser.**

This guarantee will not apply to a unit which has been subjected to misuse, negligence, accident or to a unit which has been altered in any way.

YARD-MAN

Yard-Man reserves the right to make engineering changes without prior notification or responsibility to the Purchaser.

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